

OIPE

RAW SEQUENCE LISTING

DATE: 08/21/2001

PATENT APPLICATION: US/09/925,301

TIME: 09:22:25

Input Set : D:\PA106SEQLIST.txt

Output Set: N:\CRF3\08162001\I925301.raw

3 <110> APPLICANT: Rosen et al.
 5 <120> TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
 7 <130> FILE REFERENCE: PA106
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/925,301
 C--> 9 <141> CURRENT FILING DATE: 2001-08-10
 9 <150> PRIOR APPLICATION NUMBER: PCT/US00/05882
 10 <151> PRIOR FILING DATE: 2000-03-08
 12 <150> PRIOR APPLICATION NUMBER: 60/124,270
 13 <151> PRIOR FILING DATE: 1999-03-12
 15 <160> NUMBER OF SEQ ID NOS: 1694
 17 <170> SOFTWARE: PatentIn Ver. 2.0
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 32 cactggccaa ggagctgaca caccctctgt tgggtgtctt attattgaaa gagaaacagg 180
 33 atggctgaag gtgacagagc ctctggatag agaacgcatt gccacataca ctctcttctc 240
 34 tcacgctgtg tcatccaacg ggaatgcagt tgaggatcca atggagattt tgatcacggg 300
 35 aaccgatcag aatgacaaca agcccgaatt caccaggag gtctttaagg ggtctgtcat 360
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 37 atgtggaaca cctacaatgc cgccatcgct tacaccatcc tcagcccaag atccctgagc 480
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 44 <213> ORGANISM: Homo sapiens
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 48 <222> LOCATION: (2662)
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 54 gccaggcatg gaacggcaga atcggcgccc tggcccaggg ggcaaggctg gcagcagtg 180
 55 cagcagcagt ggaggaggcg gtgggkgtcc tggagggaag accgggccag gacgaggcga 240
 56 caagaggagc tggccctctc ccaagaaccg aagtcgtcct ccagaggarc gtcccccg 300
 57 gcttccccctg cctccccac ctcccagcag ttctgctgct tccgcctgga ccaagttatc 360
 58 cacagcaacc ctgctggcat ccaacargct ctggcccagc ttagtarccg tcaarggagt 420
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 99 <211> LENGTH: 338
 100 <212> TYPE: DNA
 101 <213> ORGANISM: Homo sapiens
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 105 actagacctt ggagcaagag caagaacagc aaaagcacag cgcttttgaa cccaaaagac 120
 106 aagctccctt cttcctgcgt tgtccctcca gctscctctg ctgaccaggt ttagcatcat 180
 107 ggtgctctgta aaggaggaat tctggagagt ccagtcatt attacagagc tagtactgaa 240
 108 ggtgtgagttt ggagttgaag aggcaatgaa attgataact ggcacagaag ccaaatataa 300
 109 gagtattgac taaataatag ctaagtacaa gaacacag 338
 111 <210> SEQ ID NO: 4

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118 <222> LOCATION: (784)
119 <223> OTHER INFORMATION: n equals a,t,g, or c
121 <220> FEATURE:
122 <221> NAME/KEY: misc_feature
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127 <221> NAME/KEY: misc_feature
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131 <220> FEATURE:
132 <221> NAME/KEY: misc_feature
133 <222> LOCATION: (807)
134 <223> OTHER INFORMATION: n equals a,t,g, or c
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139 ccctcagacc actctgtgga gaacagactg tcagggaacg tgggtggagg cagagagacc 180
140 agaaagattc caggaggaca gatgtggttg gacaagggtg gggagacact gaagccaagg 240
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142 tccatgtttg tccatcatga gacctcctcaa caagcccaag agtgagatga cccagagga 360
143 gctgcagaag cgagaggagg aggaatttaa caccggtcca ctctctgtgc tcacacagtc 420
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155 <213> ORGANISM: Homo sapiens
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 175 agcaactcgg aggacggcga gtttgagatc caggcggaag atgacgcccg ggcccgggaag 180
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 181 aagaccaca gtgcccagac cggggcccgc gcctcatcct ctgcgcgacc cgagarctgg 540
 182 ccctgcagac cctgaagtgc actaaggagc taggcaagtt cactggcctc aagactgccc 600
 183 tgatcctggg tggagacagg atggaagacc agtttgacgc cctgcacgaa aatcccgaca 660
 184 taattattgc cagccccgga cggttggtgc atgtggctgt ggaaatragc ctgaagctgc 720
 185 agagtgtgga atacgtrgtg ttcatgaag ctgaccggct ttttraaatg ggtttcgag 780
 186 agcagctgca ggagatcatc gccggtctcc cggggggcca ccagacggtg ctgtttctncg 840
 187 ccacgntgcc caaactgctg gtggaatttn cccgggctgg cctcacggag cccgtgctca 900
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190 <210> SEQ ID NO: 6

191 <211> LENGTH: 731

192 <212> TYPE: DNA

193 <213> ORGANISM: Homo sapiens

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223 <223> OTHER INFORMATION: n equals a,t,g, or c

225 <220> FEATURE:

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243 catgtgtggc agaggggctt cctaaccctt gcctgatagg tgcagaacgt cggctatcag 180
244 agcaagcatt gtggagcggc tmcttatgcc aggotgccat gtgagatgat ccaagaccaa 240
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273 ctaaaaatgc aatgatttatt gatattctagg tgacctgaaa aaaaatagtg aatgtgcttt 1980
274 gtaaaactgt aagcacttgt atttactagt gataagcgtt gtggatacaa agaaaggagc 2040
275 aagcataaaa aagtgtctct tcaaaaggat atagtactat gcagacacaa ggaattgttt 2100
276 gataaatgaa taaattatat gtatatttga ggccaatttg tgtttgctgc tctggttaatt 2160
277 ttgagtaaaa atgcagtatt ccaggtatca gaaacgaaaa cacatggaaa ctgcttttaa 2220

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Use of n and/or Xaa has been detected in the Sequence Listing.
 Review the Sequence Listing to insure a corresponding
 explanation is presented in the <220> to <223> fields of
 each sequence using n or Xaa.

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:39 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:96 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:150 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:202 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
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L:1156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:1169 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:1251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:1252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:1332 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32

VERIFICATION SUMMARY

DATE: 08/21/2001

PATENT APPLICATION: US/09/925,301

TIME: 09:22:26

Input Set : D:\PA106SEQLIST.txt

Output Set: N:\CRF3\08162001\I925301.raw

L:1333 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:1335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:1336 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32
L:1386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34